

Title (en)
SECURITY DOCUMENT INCORPORATING OPTICAL COMPONENT

Title (de)
EINE OPTISCHE KOMPONENTE ENTHALTENDES SICHERHEITSDOKUMENT

Title (fr)
DOCUMENT DE SECURITE EQUIPE D'UN COMPOSANT OPTIQUE

Publication
EP 1704060 A1 20060927 (EN)

Application
EP 05700053 A 20050111

Priority
• AU 2005000021 W 20050111
• AU 2004900133 A 20040112

Abstract (en)
[origin: WO2005065962A1] A security document or device (30) is provided which has a substrate (31) including at least one layer (35,37) of polymeric material and an optical component formed by at least one orientating (PPN) layer (34) and at least one liquid crystal polymer (LCP) layer (36) in contact with the orientating layer (34). An intermediate prime layer (38) is provided between the optical component and the substrate (31) which improves the adhesion of the optical component to the substrate (31). The prime layer (38) may include a hydroxyl terminated polymer which is cross-linked by a multifunctional isocyanate. A security document with such a prime layer between the optical component and a polymeric surface of the substrate is more robust and able to withstand rough treatment without significantly affecting the optical properties of the optical component.

IPC 8 full level
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